



United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



IN REPLY REFER TO: MT-450

June 19, 2014

FAXOGRAM: Water Order Change

To: Chief, Power Supply and Billing Division, WAPA, Watertown, South Dakota
Attention: F-6001
Chief, Power Dispatching Branch, WAPA, Loveland, Colorado
Attention: J-4120
Facilities Manager, Hardin, Montana
Attention: MT-300: Tom Tauscher
Project Manager, Mills, Wyoming
Attention: WY-4000, WY-4100, WY-6040
Assistant Superintendent, National Park Service, Lovell, Wyoming
Attention: Valerie Newman

From: Reservoir and River Operations, Billings, Montana /s/ Tim Felchle

Subject: **Yellowtail Water Release Order - BHR No. 14-57**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3626.16; Storage: 877,687 acre-feet; River Release: 3,615 cfs; Inflow: 8,020 cfs;

GENERAL COMMENTS:

This is a clarification of Water Order BHR No. 14-56 on maintaining the Yellowtail Afterbay elevations. As a result, the following operations are required at Yellowtail Dam and Powerplant.

SPECIAL NOTE: To provide the proper mixing of water releases to the Bighorn River in attempt to minimize PSAT levels, it is desirable to maintain the Yellowtail Afterbay Reservoir between a maximum elevation of 3192.0 feet and a minimum elevation of 3183.6 feet and provide a mixing flow of approximately 75% through the spillway gates and 25% through the sluice gates, plus or minus 10%.

YELLOWTAIL TURBINE RELEASE:

At 1600 hour on Thursday, June 19, 2014:

Decrease average daily turbine release to 3,305 cfs (\approx 2,460 MW-Hours/day using 32.2 cfs/mw).

Restrict and limit turbine release to 3-unit capacity.

AFTERBAY RELEASE AND OPERATION:

At 1600 hour on Thursday, June 19, 2014:

Maintain diversions to the Bighorn Canal at 375 cfs (gage height = 73.38 with a -0.38 shift).

Decrease river release to 3,000 cfs (gage height = 60.68 with a -0.29 shift).

Decrease total release from the Afterbay to 3,375 cfs.